



SOUTH NATION  
**CONSERVATION**  
DE LA NATION SUD

TENDER FOR FOREST RESOURCES  
TENDER NO. SNC 25 - 2019

Return Completed Tender to:  
South Nation Conservation  
38 Victoria Street, P.O. Box 29  
Finch, ON K0C 1K0

Closing Time and Date: September 12, 2019 at 12:00 p.m.  
Opening Time and Date: September 12, 2019 at 12:05 p.m.  
For Further Information Contact: Pat Piitz  
1-877-984-2948

The undersigned tender for forest resources in the conditions of sale dated in reference to the area described as:

**SNC COMPARTMENTS SNC 25 (30.4 Ha):**

**PART WEST ½ LOT 6 & SOUTH ½ LOT 7  
CONCESSION IV NORTH STORMONT  
FORMER TOWNSHIP OF ROXBOROUGH**

SPECIES	Number of Stems	Lower DBH (cm)	Upper DBH (cm)	Median DBH (cm)	ESTIMATED HARVEST VOLUME (m³)	Bid Price (\$ per m3)	Total Bid (\$)
White Spruce		10	34	21.8	972		
Red Pine		12	34	24.0	412		
Jack Pine		10	38	19.2	222		
Incidental hardwood	Incidental						
<b>TOTAL</b>						Total Bid	

**NOTE: Stems and Volumes are cruised estimates only and are not guaranteed. All compartment areas are gross. Shaded areas of above table must be completed.**

**The highest or any tender will not necessarily be accepted.**

The South Nation Conservation reserves the right to limit the total number of tenders awarded to one bidder.

To be awarded the sale, tenderer must provide proof of contract to sell forest resource being offered and/or be the owner/operator of a forest resource processing facility approved to process some or all of the forest resources being offered.

The undersigned is fully aware of the attached Conditions of Sale and this tender is submitted accordingly and should this tender be accepted, and a sale of timber ordered, the undersigned agrees to carry out the terms and conditions thus imposed. The Stumpage Sale Contract and attached Exhibits form part of this sale.

The undersigned also understands that, in addition to the conditions set out relative to this sale, all Acts of the Legislature of the Province of Ontario are now or may hereafter be in force and all regulations duly made under the provisions of any such Acts, so far as they may be of general applications, shall be binding and shall apply to the operations as fully and effectually as if they had been set out in the Condition of Sale.

Full Legal Name of Business:		City/Town	Province
Business Address: (street)			
The above is a: Registered Company Partnership, Individual using firm name, Individual			
For Partnership Indicated Names of Partners (Print First and last Name full)			
Telephone	Authorized Signature	Name (Please Print)	



Dépôt de la soumission complète à :  
Conservation de la Nation Sud  
38 Victoria Street, P.O. Box 29  
Finch, ON K0C 1K0

Date et heure de fermeture: 12 Septembre 2019 à 12 h 00  
Date et heure d'ouverture: 12 Septembre 2019 à 12 h 05  
Pour plus d'informations, contactez: Pat Piitz  
1-877-984-2948

Les soussignés soumissionnent pour les ressources forestières, aux conditions de vente spécifiées, en référence aux zones décrites comme:

**PARCELLES SNC 25 (30,4 Hectares);**

**PARTIE OUEST 1/2 LOTS & SUD 1/2 LOT 7  
CONCESSION IV NORTH STORMONT  
ANCIEN CANTON DE ROXBOROUGH**

ESPÈCES	Nombre de tiges	DHP bas (cm)	DHP haut (cm)	DHP médian (cm)	VOLUME à être coupé (m³)	Prix de soumission (\$ par m³)	Soumission totale (\$)
Épinette blanche		10	34	21,8	972		
Pin rouge		12	34	24,0	412		
Pin gris		10	38	19,2	222		
Bois dure occasionnelle	Occasionnelle						
<b>TOTAL</b>						Offre totale	

**NOTE: Le Nombre de troncs et le Volume sont des évaluations d'inventaire seulement et ne sont pas garantis. Les zones ombragées ci hauts doivent être complétées. Toutes les aires pour les compartiments sont brutes.**

**Il est possible qu'aucune des soumissions, ni la plus haute soumission, ne soit retenue.**

Le Conservation de la Nation Sud se réservent le droit de limiter le nombre d'offres accordées à un soumissionnaire.

Pour se voir accorder la vente, le soumissionnaire doit fournir la preuve d'un contrat lui permettant de vendre les ressources forestières offertes, et/ou être le propriétaire/exploitant d'une installation de traitement approuvée pour le traitement de certaines ou de toutes les ressources sylvestres offertes.

Le soussigné a été entièrement informé des Conditions de vente ci-jointes et cette soumission est déposée en connaissance de cause. Dans le cas où la présente soumission soit acceptée et qu'une vente de bois d'œuvre soit commandée, le soussigné s'engage à réaliser les modalités et conditions imposées. Le Contrat de vente de bois sur pied, ainsi que les Annexes ci-joints, sont parties intégrantes de la vente.

Le soussigné comprend également que, en plus des conditions établies en regard de cette vente, toutes les lois et tous les règlements de la Législature de la province d'Ontario sont présentement en vigueur ou le deviendront dans l'avenir. Tous les règlements établis selon les clauses de telles lois, qui s'appliquent habituellement de façon générale, lieront toutes les parties, et s'appliqueront aux opérations, de façon aussi complète et effective que s'ils avaient été inclus dans les Conditions de vente.

Nom complet de l'entreprise:		Ville/Village	Province
Adresse de l'entreprise: (rue)			
L'entreprise est: Compagnie enregistrée en partenariat, Individu utilisant un nom de firme, Individu			
En cas de partenariat, indiquez le nom des partenaires (Écrivez les prénoms et les noms complets)			
No. de téléphone	Signature autorisée		Nom (en caractères d'imprimerie)



**Conditions of Sale  
SNC Forest Tender  
SNC 25-2019**

1. Prior to the final acceptance of any bid by South Nation Conservation (SNC), the selected bidder (Purchaser) and their sub-contractor (if applicable), within ten (10) working days of being notified must submit the following:
  - a. Certificate of Public Liability and Property Damage Insurance in an amount not less than \$2,000,000.00 per occurrence. Without limiting the foregoing, such insurance coverage shall include Comprehensive General Liability (including third party liability coverage), Motor Vehicle Liability, Contractual Liability and Personal Injury. SNC is to be named as an "Additional Insured Party" on the certificate. The Contractor shall submit proof of such insurance in the form of a certificate which shall contain a firm undertaking by the insurer to give SNC 30 days' notice prior to any cancellation or modification of such insurance. If the Contractor fails to provide such insurance within 7 business days of receipt of the notification of award, which notice period SNC may extend, SNC at its sole option, shall have the right to terminate the contract.
  - b. An up-to-date copy of his Workplace Safety Insurance Board (WSIB) Clearance Certificate and Accident Frequency Rate documents. The accident frequency rate submission can be in the form of the "NEER Firm Summary Statement" or the "Cost and Frequency Record".
  - c. Copy of Workplace Safety North (formerly Ontario Forestry Safe Workplace Association) certification, or proof of registration for the training, that is appropriate for the equipment to be used for the work (i.e. Cutter/skidder operator, Mechanized Harvesting Equipment Operator, Feller Buncher Operator, etc.). Proof of equivalent training from other provinces may be accepted.
  - d. Proof of contract to sell forest resources and/or be the owner/operator of a forest resource facility approved to process some or all of the forest resources being offered.

If any of the above is incomplete, or deemed not acceptable by SNC, the tender will not be awarded to the bidder.

2. The successful bidder shall enter into and sign a Stumpage Sale contract within ten (10) working days upon completion of # 1. The contract shall commence upon signing and shall be completed by March 31, 2019. The term may be extended in accordance with mutually agreed terms between the Purchaser and SNC. A fee of \$1,000 will apply to contract extension, unless SNC deems that there were factors that prevented completion within the designated timeframe (e.g. unfavorable weather conditions).
3. The tender for Forest Resources and Conditions of Sale will form part of the Stumpage Sale contract.
4. The successful bidder will immediately deposit with SNC upon signing of Stumpage Sale contract, a certified cheque in the amount equivalent to 10% of the total bid price to be held for the duration of this Agreement.



5. The successful bidder will deposit prior to the commencement of operations with SNC, an additional certified cheque in the amount equivalent to 10% of the total bid price to be held for the duration of this Agreement.
6. SNC reserves the right to limit the total number of tenders awarded to one bidder. If the successful bidder currently holds uncompleted awarded tenders from SNC or SDG, these tenders must be completed prior to commencing operations on tender SNC 1-2016.
7. If SNC awards two or more tenders to one bidder, the completion will still remain March 31, 2019.
8. SNC reserves the right to waive condition #6 or #7 if operating conditions limits harvesting on previously or newly awarded tenders.
9. SNC reserves the right to make minor corrections to tree marking consistent with the approved Forest Operation Prescription.
10. All bid prices are in cubic metres. The following conversions factors will be used.

SPECIES		
White Pine	1 M <sup>3</sup> =	854 Kg
Red Pine	1 M <sup>3</sup> =	980 Kg
Jack Pine	1 M <sup>3</sup> =	808 Kg
Scots Pine	1 M <sup>3</sup> =	808 Kg
Spruce	1 M <sup>3</sup> =	763 Kg
Tamarack / Larch	1 M <sup>3</sup> =	994 Kg
Maple	1 M <sup>3</sup> =	1,123 Kg
Hickory	1 M <sup>3</sup> =	929 Kg
Ash	1 M <sup>3</sup> =	941 Kg
Basswood	1 M <sup>3</sup> =	841 Kg
Poplar	1 M <sup>3</sup> =	918 Kg
Cedar	1 M <sup>3</sup> =	569 Kg
Mixed hardwood	1 M <sup>3</sup> =	998 Kg
Hardwood fuelwood	1 M <sup>3</sup> =	0.5 full cord of 8 foot roundwood fuelwood.
Conifer Sawlogs	1 M <sup>3</sup> =	173 fbm
Hardwood Sawlogs	1 M <sup>3</sup> =	198 fbm

11. A "Bill of Lading" system will be used to track wood movement off the site. Wood measure will take place at wood processing facility. On-site wood measurement may be considered in some cases.
12. The Purchaser is responsible to pay all costs associated with wood scaling.



13. Wood will be scaled at a weigh-scale approved by SNC or by other Ontario Ministry of Natural Resources approved metric scaling methods. Other methods, such as Ontario Log Rule may be considered by SNC on a case-by-case basis. All scaling methods and locations must be approved by the SNC.
14. SNC requires that the Purchaser provide payment within 60 days of wood removed from the sale area. SNC requires that the purchaser provide Bill-of-Lading slips and mill gate receipts (mass) with payment. After 60 days, 15% annual interest could be applied to the amount owed to SNC.
15. All wood left at roadside for a period longer than 2 months after suspension or completion of operations will be scaled by a licensed scaler approved by SNC, unless other arrangements have been made. Payment for this wood shall be made to SNC based on the scale according to the rates in the contract (i.e. \$/m<sup>3</sup>).
16. SNC requires that the Purchaser's field supervisor and the operators who will perform the work attend a start-up meeting to review the operating conditions and standard operating procedures.
17. In addition to the regular Conditions of Sale as outlined in the contract, the following special operating conditions will also apply:

#### **SITE SPECIFIC**

<b>TENDER</b>	<b>VALUE</b>	<b>SPECIAL OPERATING CONDITIONS</b>
SNC 1	Private Land and Harvest Boundaries	- Red flagging tape, red painted trees, fence or edge of plantation delineates private land and / or harvest boundaries. Trees must be felled away from the adjacent private property.
SNC 1	Drainage Ditches	- Crossings must be minimized and are to be rehabilitated after use to ensure free flow of water. Avoid felling trees into the ditch. Logging debris must be removed from the ditch.
SNC 1	Red Oak	-AOC. Areas of planted red oak to be avoided from harvesting operations – as identified with pink flagging tape on site.
SNC 1	Recreational Trail System and Parking Lot	-Trails will be identified with orange flagging tape. Skidding is not allowed along the trails. Skidding across trails will be required but should be kept to a minimum. Trails to be left in as good or better condition upon completion of operations.



# Harvest Plan

**Compartment:** SNC 25

**Township:** North Stormont

**Lot & Con** Pt. W1/2 Lot 6 & S1/2 Lot 7 Con. IV

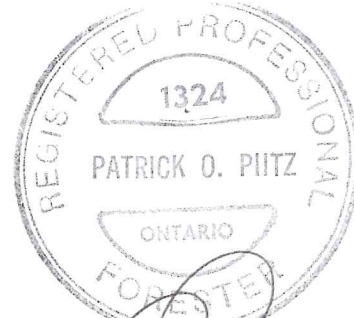
**Township:** North Stormont (Roxborough)

**Prepared by:** Pat Piitz, R.P.F.

**Date:** November 7, 2018

**Signature:** \_\_\_\_\_

I certify that the forest operations prescribed in this Harvest Plan are appropriate for the actual conditions encountered.



signature \_\_\_\_\_

Date \_\_\_\_\_  
mm dd yy

## Harvest Summary

<b>Total Planned Timber Harvest Area:</b>	<b>30.4</b>	<b>Ha</b>
Estimated Harvest Volumes:		
Species: White Spruce (Sw)	972 m <sup>3</sup>	741.6 GMT
Species: Red Pine (Pr)	412 m <sup>3</sup>	403.3 GMT
Species: Jack Pine (Pj)	222 m <sup>3</sup>	179.4 GMT

## Comments / Issues:

## General Forest Condition

The harvest area is composed of a mix of young conifer plantations situated on upland glacial tills with shallow soils over limestone bedrock.

## Access

(major problems, how much road construction anticipated, AOC crossings)

Access to the harvest area is directly off two maintained municipal roads; Bender Road and Robinsons Corners Road. Two culverts are required to ford roadside ditches.

## Lines

## What's required

<b>Cut layout</b> Red flagging on inside boundaries	Red dashed line on map
<b>Private boundary</b> -Red flagging	Solid red line on map
<b>AOC</b> Reserves - pink flagging Modified - orange flagging	

## Values

Value	Description of Value	Prescription
Drainage Ditches	Shallow (< 1.5 meter depth) Intermittent drains, typically formed field boundaries.	No specific AOC. Avoid marking trees directly adjacent to ditch unless severely declining. All crossings to be rehabilitated after use to ensure free flow of water.
Intermittent Watercourse	Moderate to deep (> 1.5 meter depth) May be intermittent or permanent drains or natural watercourses.	15 Meter AOC from water's edge marked in orange. Reserve width is approximately 5 meters from bank edge. Minimize disturbance in remaining area of AOC by retaining crown closure of >70% and limiting vehicle traffic.
Creek	Permanent Stream	No harvest reserve on all steep slopes. Additional reserve of 15m from bank edge.

## Harvest Monitoring

Activity	Minimum Monitoring Frequency	Responsibility
Contract Tree Marking	- 1 inspection	SNC
Road Construction	- 1 inspection during project	SNC
Harvest/ Skidding	- 1st inspection in first week of activity - 2 <sup>nd</sup> inspection within 2 weeks of 1 <sup>st</sup> inspection - 1 inspection for each 6 hectares harvested subsequently, or 1 inspection per month, whichever is less. - 1 formal logging damage assessment	SNC
Wood Movement	- Ongoing	SNC
Non-compliance	- Follow-up inspection within 5 days of a significant non-compliance report.	SNC
Job Completion	- 1 at Completion	SNC

TREATMENT BLOCK PRESCRIPTION		Block	Sw
Total Area for Treatment [ha]		20.0	
<b>Description:</b>  Harvest block consists of a 34-year old White Spruce plantation. Species composition is Sw <sub>8</sub> Pj <sub>1</sub> Ag <sub>1</sub> . Diameter ranges from 10 cm. to 34 cm. with a mean diameter (Dbhq) of 21.8 cm. Stand density is 1810 stems per hectare. Basal area ranges from 24 m <sup>2</sup> /ha to 40 m <sup>2</sup> /ha with an average BA of 29.1 m <sup>2</sup> /ha. Average stand height is 14.9 m.			
<b>Objectives:</b>		Create access and release residual White Spruce.	
<b>Stand Numbers:</b>	25(c); 25(d); 25(f); 25(g); 25(h); 25(i)		

TREE MARKING			
Paint colour scheme	Standard	"Other" marking	Other
Row removals	Every tenth tree in row		Diagonal slash
<b>Prescription Details:</b>  Remove 1 in 3 row removal reducing BA to a minimum of 20 m <sup>2</sup> /ha.			
See AOC section of this FOP for marking prescription in Areas of Concern.			

HARVEST			
Permitted Harvest Timing:	Summer, Fall, Winter		
Estimated Volume per Hectare:	Volume estimate based on cruise data, local volume table, and DMD.		
Species Sw	48.6 m <sup>3</sup> /ha	37.08	gt/ha
Species			
Species			
Equipment & Harvest System	Feller-buncher; Forwarder		
Other:			

RENEWAL & TENDING
None scheduled.

Future Treatments (recommendation)
<b>Next cut (time):</b> 2 <sup>nd</sup> Thinning 15-20 years

Guidelines: unless directed otherwise, apply Standard Guidelines for Wildlife Trees and Uncommon Tree Species as attached.



TREATMENT BLOCK PRESCRIPTION		Block	Pr
Total Area for Treatment [ha]		5.4	
<b>Description:</b> Harvest block consists of a 39-year old Red Pine plantation. Species composition is Pr9Sw1. Diameter ranges from 12 cm. to 34 cm. with a mean diameter (Dbhq) of 24.0 cm. Stand density is 899 stems per hectare. Basal area ranges from 20 m <sup>2</sup> /ha to 54 m <sup>2</sup> /ha with an average BA of 32.5 m <sup>2</sup> /ha. Average stand height is 15.8 m. Average stand height is 12.8 meters.			
<b>Objectives:</b> Create access and release residual Pr crop trees.			
<b>Stand Numbers:</b> 25(e)			

TREE MARKING			
Paint colour scheme	Standard	"Other" marking	Other
Row removals	Every tenth tree in row		Diagonal slash
Single-tree Selection	All trees marked orange		Ring at Dbh or higher with butt mark
<b>Prescription Details:</b> Reduce BA using 1 in 4 row removal with selection on remaining. The target BA is 22.7 m <sup>2</sup> /ha with a minimum of 20.0 m <sup>2</sup> /ha. BA is highly variable, and selection should be continuously monitored. Total removal should not reduce the basal area by more than one third. Priority crop trees should have: <ul style="list-style-type: none"> <li>• Dominant/co-dominant crown position</li> <li>• Few stem defects</li> <li>• Single stem</li> <li>• Good self-pruning</li> </ul>			
See AOC section of this FOP for marking prescription in Areas of Concern.			

HARVEST	
<b>Permitted Harvest Timing:</b>	Summer, Fall, Winter
<b>Est. Volume per Hectare:</b>	Volume estimate based on cruise data, local volume table, and DMD
<b>Species:</b> Pr	76.2 m <sup>3</sup> /ha 74.68 gt/ha
Species	
Species	
Equipment & Harvest System	
Other:	

RENEWAL & TENDING
None

Future Treatments (recommendation)
<b>Next cut (time):</b> 2 <sup>nd</sup> Thinning 15-20 years

Guidelines: unless directed otherwise, apply Standard Guidelines for Wildlife Trees and Uncommon Tree Species as attached.

<b>TREATMENT BLOCK PRESCRIPTION</b>	<b>Block</b>	<b>Pj</b>
<b>Total Area for Treatment [ha]</b>	5.0	
<b>Description:</b> Harvest block consists of a 35-year-old mixed conifer plantation. Species composition is Pj <sub>9</sub> Sw <sub>1</sub> . Diameter ranges from 10 cm. to 38 cm. with a mean diameter (Dbhq) of 19.2 cm. Stand density is 1017 stems per hectare. Basal area(BA) ranges from 10 m <sup>2</sup> /ha to 34 m <sup>2</sup> /ha with an average BA of 23.3 m <sup>2</sup> /ha. Average stand height is 12.8 meters.		
<b>Objectives:</b> Release of Sw crop trees.		
<b>Stand Numbers:</b> 25(b)		

<b>TREE MARKING</b>			
<b>Paint colour scheme</b>	<b>Standard</b>	<b>"Other" marking</b>	<b>Other</b>
<b>Trees to harvest</b>	All trees marked orange		
<b>Trees to retain</b>			
<b>Prescription Details:</b> Reduce BA using 1 in 4 row removal with selection on remaining. The target BA is 24.0 m <sup>2</sup> /ha with a minimum of 20.0 m <sup>2</sup> /ha. BA is highly variable, and selection should be continuously monitored. Total removal should not reduce the basal area by more than one third.			
<b>Crop Tree Release</b> Priority crop trees should have: <ul style="list-style-type: none"> <li>• Preference to Sw crop trees</li> <li>• Dominant/co-dominant crown position</li> <li>• Few stem defects</li> <li>• Good self-pruning</li> </ul>			
See AOC section of this FOP for marking prescription in Areas of Concern.			

<b>HARVEST</b>	
Permitted Harvest Timing:	Summer, Fall, Winter
Estimated Volume per Hectare:	Volume estimate based on cruise data, local volume table, and DMD
Species: Pj	43.8 m <sup>3</sup> /ha
Species	
Species	
Equipment & Harvest System	
Other:	

<b>RENEWAL &amp; TENDING</b>

<b>Future Treatments</b> (recommendation)
<b>Next cut (time):</b> 2 <sup>nd</sup> Thinning 15 -20 years

Guidelines: unless directed otherwise, apply Standard Guidelines for Wildlife Trees and Uncommon Tree Species as attached.

**GUIDELINES FOR WILDLIFE TREES AND UNCOMMON TREE SPECIES**  
**JANUARY 17, 2001**

<u>Item</u>	<b>Target</b>	<b>Details</b>
1. Cavity Trees	Retain 6 per hectare – No Safety concerns – Minimum 25 cm dbh, >40 cm dbh preferred	Property Rating: 1. Pileated Woodpecker Roost Trees 2. Pileated Woodpecker Nest Trees 3. Other Woodpecker Nest Trees 4. Escape Cavities 5. Feeding Cavities 6. Potential Cavity Trees Dispersion: uniform
2. Mast Trees	Retain 7-8 per hectare – dominant, co-dominant trees with vigorous crowns	Priorities are Oak, Beech, Hickory, Butternut, Black Cherry, Basswood and Ironwood
3. Isolated Conifers	Retain 10 conifers/hectare when available – Minimum 25 cm dbh, >40 cm dbh preferred	Priority species are white and red pine, red and white spruce and hemlock. Super-canopy trees are 1 <sup>st</sup> priority Dispersion: clumped
4. Stick Nests	Depends upon species	Notify forest technician immediately.
5. Uncommon Tree Species	Retention of AGS uncommon tree species will take preference over other crop tree priorities	3 categories 1. species reduced from historical distribution (e.g., white pine) 2. Species which make up a minor percentage of the stand (e.g., black cherry) 3. Species under stress (e.g., Butternut)
6. Wildlife Trees in Removal Cuts/Clearcuts	Retain 10 wildlife trees/ hectare when available	Priority 1. Cavity Trees 2. Isolated Conifers 3. Mast Trees

<b>Average Tree Size</b>	<b>Stem Target</b>	<b>Basal Area (m<sup>2</sup>/ha)</b>	<b>Approximate Spacing (see details: Dispersion)</b>
35 cm	1) Cavity Trees (6 hectare) 2) Mast Trees & Isolated Conifers (10 hectare - each)	.6 1.0	40 m 30 m
40 cm	1) Cavity Trees (6 hectare) 2) Mast Trees & Isolated Conifers (10 hectare - each)	.75 1.25	40 m 30 m
45 cm	1) Cavity Trees (6 hectare) 2) Mast Trees & Isolated Conifers (10 hectare - each)	1.0 1.6	40 m 30 m
50 cm	1) Cavity Trees (6 hectare) 2) Mast Trees & Isolated Conifers (10 hectare - each)	1.2 2.0	40 m 30 m

# Harvest Plan

